

INTERNATIONAL SEARCH REPORT

TENTATIVE COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 May 2002 (30.05.2002)

PCT

(10) International Publication Number
WO 02/042480 A3

(51) International Patent Classification⁷: **C12N 15/863**,
15/39, 7/04, 7/10, A61K 39/285, 48/00

(21) International Application Number: PCT/EP01/13628

(22) International Filing Date:
22 November 2001 (22.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2000 01764 23 November 2000 (23.11.2000) DK

(1) Applicant (for all designated States except US): **BAVAR-
IAN NORDIC RESEARCH INSTITUTE A/S [DK/DK]**,
Vesterbrogade 149, DK-1620 Copenhagen V (DK).

2) Inventors; and

5) Inventors/Applicants (for US only): **CHAPLIN, Paul**
[GB/DE], Wohlerstrasse 22, 81247 München (DE)
HOWLEY, Paul [GB/DE]; Kopermkusweg 9, 82152
Martinsried (DE). **MEISINGER, Christine** [DE/DE],
Kirchenstrasse 9, 82194 Gröbenzell (DE).

4) Agent: **PIELKEN, Petra**, Bavarian Nordic Research In-
stitute GmbH, Fraunhoferstrasse 18b, 82152 Martinsried
(DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,
MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR,
GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
1 August 2002

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette

(54) Title: MODIFIED VACCINIA ANKARA VIRUS VARIANT

(57) Abstract: The present invention provides an attenuated virus, which is derived from Modified Vaccinia Ankara virus and which is characterized by the loss of its capability to reproductively replicate in human cell lines. It further describes recombinant viruses derived from this virus and the use of the virus or its recombinants as medicament or vaccine. Additionally, a method for inducing an immune response even in immuno-compromised patients, patients with pre-existing immunity to the vaccine virus or patients undergoing antiviral therapies is provided.

WO 02/042480 A3

162162